



## ELF HTX 860 10W-60

100% synthetic lubricant for competition engines



RACING FUELS & LUBRICANTS

# TECHNICAL DATA SHEET

*“Our ELF HTX formula uses innovative oil bases to guarantee extreme performances, long-lasting properties, ensuring the best engineering for your engine. This research for constant and optimum quality is the pillar of our philosophy, in conformity with racing requirements. “*

## USES

**ELF HTX 860** provides an optimum engine protection while bringing an exceptional reliability. It maintains engine performances even under heavy pressure.

**ELF HTX 860** is used in the following applications:

- 4-stroke naturally aspirated or turbocharged petrol engines with high torque
- Direct injection, indirect ou carburator.
- Cars and truck turbocharged diesel engine

**ELF HTX 860** is perfectly suited for competitions of short and average length:

- Endurance (GT, Historic)
- Circuit (used in F2/F3)
- Rally
- Raid
- Drift...

## PROPERTIES

	Units	Typical data	Method
Density at 15°C	g/ml	0.860	NF EN ISO 12185
Viscosity at 40°C	mm <sup>2</sup> /s	150.6	ASTM D-445
Viscosity at 100°C	mm <sup>2</sup> /s	23.6	ASTM D-445
Viscosity HTHS	mPa.s	5.44	CEC L-036
Flash point	°C	246	NF EN ISO 2592

## ELF HTX 860 Vs HTX 8xx SERIES

ELF HTX 860 is miscible in any proportion with the whole 4-stroke engines lubricants ranges **ELF HTX 8xx** and **ELF HTX 38xx**.

If the user is already satisfied with **ELF HTX 860** in terms of mechanical wear, we suggest trying **ELF HTX 850** for even better performance.



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## CHARACTERISTICS

CHARACTERISTICS	→	TECHNICAL ADVANTAGES	→	ENGINE BENEFITS
Particularly high <b>viscosity</b> (10W-60), specially for engines running at very high temperatures	→	Excellent <b>resistance</b> of oil coat under very heavy, prolonged load and at very high temperatures	→	<b>Increased engine reliability over the entire thermal operating range of the oil</b>
<b>Optimized</b> R&D formulation	→	<b>Contains performance additives</b> with a greater selection and carefully studied dosages compared to lubricants traditionally distributed on the market	→	<b>Superior lubrication, cleaning, cooling of engine components and compatibility with elastomers to ensure reliability during racing events</b>
Selection of <b>superior frictional modifiers</b>	→	<b>Increase engine efficiency</b> by reducing mechanical losses (rings, pistons, jacket area, cams, and oil pump)	→	<b>Maximization of the mechanical power available from the engine for the best performances</b>
<b>Detergency</b> additives	→	Removal of <b>carbon deposits and maintenance</b> of the structural and functional properties of engine components especially in <b>intensive use</b>	→	<b>A cleaner engine, reduced surface wear, maximization of engine's performance and reliability</b>
<b>Anti-wear</b> additives	→	<b>Adsorption</b> on metal areas subject to <b>very high pressure</b> like tappets, cams and bearings	→	<b>Greater engine protection with impeccable reliability</b>
<b>Dispersant</b> additive	→	Avoids agglomeration of particles, <b>reduction of wear</b> of the lubrication circuit	→	<b>Reduced clogging of filters and avoids sludge formation in cold parts of the engine</b>
<b>100% synthetic</b> composition	→	<b>Better reliability</b> thanks to the precise control of chemical formulation, extended thermal range	→	<b>Higher and reliable performances in extreme thermal conditions</b>



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### RECOMMENDATIONS

**ELF HTX 860** is compatibility with the materials of the lubrication circuit:

- No known incompatibility of the lubrication circuit to date.
- Compatible in particular with silicon, fluorine, acrylic and nitrile type joints

There is no specific precaution to take on first use of **ELF HTX 860** other than removing the previous lubricant and replacing the oil filter.

The use of an external additives (like engine remetalling) is not recommended. Viscosity grade to be adapted by engine tuner. ELF HTX technology is compatible with all synthetic lubricants PAO and ester type.

The drain oil spacing criteria depend according to your use and required performance. Contact us for more technical information: [afs-information@totalenergies.com](mailto:afs-information@totalenergies.com)

### STORAGE

To preserve its original properties, **ELF HTX 860** must be handled and stored away from extreme weather conditions. The can must be carefully closed again after each use.

### GLOSSARY

For any further information relative to the technical aspects written in our Data Sheets, a glossary is online on our website [additives-fuels.totalenergies.com](http://additives-fuels.totalenergies.com), racing fuels and lubricants section.